



**{In Archive} Re: Oil Slick** 

**Rob Lawrence** to: Sandra Rennie, David Gray

05/03/2010 08:00 AM

From: Rob Lawrence/R6/USEPA/US  
To: Sandra Rennie/R6/USEPA/US@EPA, David Gray/R6/USEPA/US@EPA,  
Archive: This message is being viewed in an archive.

Sandra - there is a gross over estimation of potential impacts to the refineries. Most refineries obtain crude via pipelines either from onshore production nearby or from through out the country OR from Port Fouchon and the **Louisiana Offshore Oil Port** or LOOP. LOOP supplies 13 to 15 percent of the country's imports. So far LOOP and Port Fouchon are unaffected by the oil spill. Additionally, the local refineries could get access to crude in the Federal Petroleum Reserve in south Louisiana.

During hurricanes Katrina and Gustav, power outages closed the Port Fouchon pumping stations and there was a shortage of crude.

The refinery in Pasagoula does receive crude from ships and might have issues if shipping in the Gulf is curtailed. I do not know if they are connected to the national pipeline network for crude deliveries.

I am not as familiar with the product shipping from refineries and if traffic on the Mississippi or Gulf would be an issue. Most refineries have refined product pipelines (like Colonial, which runs from Baton Rouge to the east coast).

Sandra Rennie

----- Original Message -----

**From:** Sandra Rennie  
**Sent:** 05/03/2010 07:30 AM CDT  
**To:** Rob Lawrence; David Gray  
**Subject:** Fw: Oil Slick

This is from Friday when I was out.

Sandra Rennie  
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----- Forwarded by Sandra Rennie/R6/USEPA/US on 05/03/2010 07:28 AM -----

From: Lester Wyborny/AA/USEPA/US  
To: Jim Kellerstrass/R8/USEPA/US@EPA  
Cc: Alison Simcox/R1/USEPA/US@EPA, Chris McKenna/DC/USEPA/US@EPA, Dave Kortum/DC/USEPA/US@EPA, David Bizot/AA/USEPA/US@EPA, Deborah Wood/DC/USEPA/US@EPA, Dianna Smith/R4/USEPA/US@EPA, Don Zinger/DC/USEPA/US@EPA, Erv Pickell/R8/USEPA/US@EPA, Francisco Acevedo/R5/USEPA/US@EPA, Jacqueline Werner/DC/USEPA/US@EPA, Janet Cohen/AA/USEPA/US@EPA, Jeff Herzog/AA/USEPA/US@EPA, Jeff Kodish/R8/USEPA/US@EPA, Jeffrey Kimes/R8/USEPA/US@EPA, Jim Kellerstrass/R8/USEPA/US@EPA, John Guy/DC/USEPA/US@EPA, John Millett/DC/USEPA/US@EPA, John Mooney/R5/USEPA/US@EPA, John Weihrach/DC/USEPA/US@EPA, Johnpc Fogarty/DC/USEPA/US@EPA, Julia Ortiz/DC/USEPA/US@EPA, Justin Cohen/DC/USEPA/US@EPA, Karl Simon/DC/USEPA/US@EPA, Kurt Gustafson/DC/USEPA/US@EPA, Lachala Kemp/R7/USEPA/US@EPA, Leila Cook/AA/USEPA/US@EPA, Lori Stewart/DC/USEPA/US@EPA, Lynorae Benjamin/R4/USEPA/US@EPA, Margo Oge/DC/USEPA/US@EPA, MatthewW

Morrison/DC/USEPA/US@EPA, Patty Klavon/AA/USEPA/US@EPA, Paul  
Argyropoulos/DC/USEPA/US@EPA, Paul Machiele/AA/USEPA/US@EPA, Phillip  
Brooks/DC/USEPA/US@EPA, Rebecca Russo/R8/USEPA/US@EPA, Reema  
Loutan/R2/USEPA/US@EPA, Sandra Rennie/R6/USEPA/US@EPA, Sarah  
Dunham/DC/USEPA/US@EPA, Sean Hillson/AA/USEPA/US@EPA, Tim  
Russ/R8/USEPA/US@EPA

Date: 04/30/2010 02:54 PM  
Subject: Re: Oil Slick

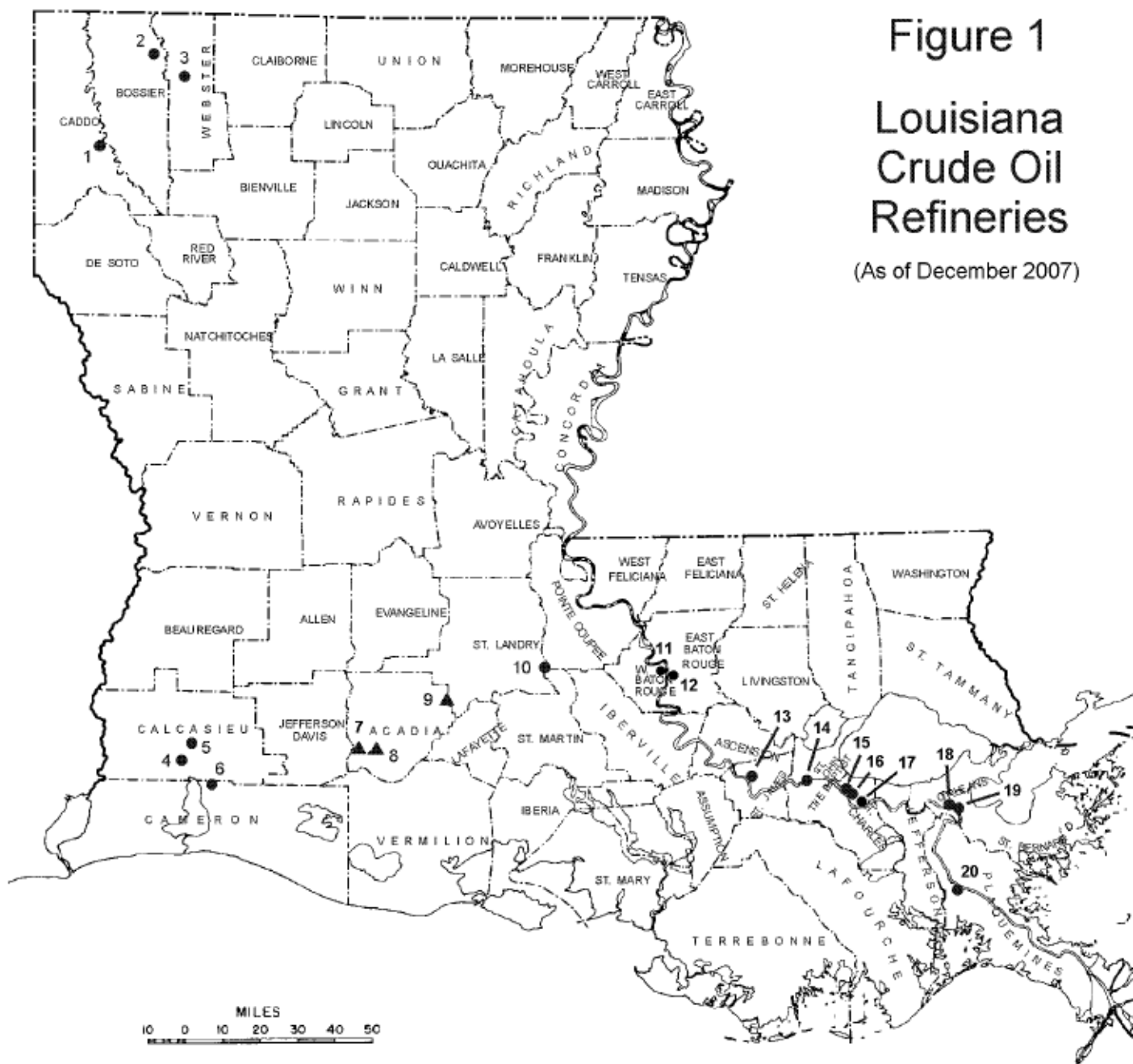
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With respect to possible impacts on refining capacity due to the inability of crude oil ships to access refineries in Louisiana and Southern Mississippi, the map below shows the location for the refineries in Louisiana. I believe that the refineries along the Mississippi river obtain their crude oil from ships navigating up the Mississippi river. I don't know if they have access to crude oil from other sources (pipelines from Houston or from the North, or from barges from upstream of the Mississippi river). Some of them may carry a significant crude oil inventory at their refineries.

# Figure 1

## Louisiana Crude Oil Refineries

(As of December 2007)



**OPERATING REFINERIES** ●

- 1 Calumet Shreveport - Shreveport
- 2 Calumet Lubricants - Princeton
- 3 Calumet Lubricants - Cotton Valley
- 4 Citgo Petroleum - Lake Charles

**NON-OPERATING REFINERIES** ▲

- 7 Lazarus Energy - Jennings
- 8 Quantum Fuel & Refining - Egan
- 9 Lazarus Energy - Church Point

5	ConocoPhillips - Lake Charles
6	Calcasieu Refining - Lake Charles
10	Valero Refining - Krotz Springs
11	Placid Refining - Port Allen
12	ExxonMobil - Baton Rouge
13	Motiva Enterprises - Convent
14	Marathon Petroleum - Garyville
15	Motiva Enterprises - Norco
16	Valero Refining - Norco
17	Shell Chemical - St. Rose
18	Murphy Oil U.S.A. - Meraux
19	Chalmette Refining - Chalmette
20	ConocoPhillips - Belle Chase

Technology Assessment

The refineries at risk in Louisiana are those numbered 10 - 20.

Refiner	City	Crude Oil Capacity
Alon (was Valero)	Krotz Springs	80,000
Placid Refining	Port Allen	56,000
Exxon Mobil	Baton Rouge	503,000
Motiva	Convent	235,000
Marathon	Garyville	256,000
Motiva	Norco	236,400
Valero	Norco	185,000
Shell Chemical	Rose	55,000 Chemicals only
Murphy	Meraux	120,000
Chalmette	Chalmette	192,500
Conoco Phillips	Belle Chase	247,000

The one Mississippi refinery at risk is the Chevron refinery in Pascagoula which obtains its crude oil from a pier at its refinery

Mississippi Refinery		
Chevron	Pascagoula	330,000
Total		2,440,000

The refineries most at risk of losing their access to crude oil (and potentially for distributing some of their products) due the crude oil spill represents about 14 percent of the total US crude oil refining capacity.

Lester

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Jim Kellerstrass

I just spoke to Jeff Direr with the USCG. He is wo...

04/30/2010 11:01:06 AM

From: Jim Kellerstrass/R8/USEPA/US  
To: Kurt Gustafson/DC/USEPA/US@EPA, Margo Oge/DC/USEPA/US@EPA, Don

Zinger/DC/USEPA/US@EPA, Janet Cohen/AA/USEPA/US@EPA, Karl Simon/DC/USEPA/US@EPA, Dave Kortum/DC/USEPA/US@EPA, Leila Cook/AA/USEPA/US@EPA, Francisco Acevedo/R5/USEPA/US@EPA, John Mooney/R5/USEPA/US@EPA, Lynorae Benjamin/R4/USEPA/US@EPA, Sandra Rennie/R6/USEPA/US@EPA, Tim Russ/R8/USEPA/US@EPA, Chris McKenna/DC/USEPA/US@EPA, John Millett/DC/USEPA/US@EPA, Johnpc Fogarty/DC/USEPA/US@EPA, Paul Machiele/AA/USEPA/US@EPA, Justin Cohen/DC/USEPA/US@EPA, Sean Hillson/AA/USEPA/US@EPA, Lori Stewart/DC/USEPA/US@EPA, Reema Loutan/R2/USEPA/US@EPA, Deborah Wood/DC/USEPA/US@EPA, Paul Argyropoulos/DC/USEPA/US@EPA, Erv Pickell/R8/USEPA/US@EPA, Rebecca Russo/R8/USEPA/US@EPA, Jim Kellerstrass/R8/USEPA/US@EPA, John Guy/DC/USEPA/US@EPA, Julia Ortiz/DC/USEPA/US@EPA, Jacqueline Werner/DC/USEPA/US@EPA, Lester Wyborny/AA/USEPA/US@EPA, Alison Simcox/R1/USEPA/US@EPA, Dianna Smith/R4/USEPA/US@EPA, Sarah Dunham/DC/USEPA/US@EPA, John Weihrach/DC/USEPA/US@EPA, Jeff Herzog/AA/USEPA/US@EPA, Patty Klavon/AA/USEPA/US@EPA, David Bizot/AA/USEPA/US@EPA, Lachala Kemp/R7/USEPA/US@EPA, Jeffrey Kimes/R8/USEPA/US@EPA, Jeff Kodish/R8/USEPA/US@EPA, MatthewW Morrison/DC/USEPA/US@EPA, Phillip Brooks/DC/USEPA/US@EPA

Date: 04/30/2010 11:01 AM  
Subject: Oil Slick

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I just spoke to Jeff Direr with the USCG. He is working out of a command center set up for the oil slick. He told me at the time of the call that no ports were closed because of the oil slick. He also said that the shipping lane were not changed yet. This way is a ship does not have to reroute around the slick. He said this may change over time. I told him I would call him next if needed he please do.

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